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TCS-84005/65  
March 1965

CENTRAL INTELLIGENCE AGENCY  
PHOTOGRAPHIC INTELLIGENCE REPORT

# AIRCRAFT ENGINE PLANT NO 478 ZAPOROZHYE, USSR

DECLASS REVIEW BY NIMA / DoD



Handle Via TALENT - KEYHOLE Control Only

PHOTOGRAPHIC INTELLIGENCE DIVISION

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GROUP 1  
Excluded from automatic  
downgrading and declassification

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**AIRCRAFT ENGINE PLANT NO 478  
ZAPOROZHYE, USSR**

25X1A

25X1A

25X1D

25X1D

25X1D

25X1D

Aircraft Engine Plant No 478 [REDACTED] is located in the southern section of Zaporozhye, USSR, at 47-49-30N 35-11-40E (Figure 1). The plant is road served and enclosed by a fence. Two rail spurs which were under construction in [REDACTED] will serve the plant when completed. Components of the plant are described in Table 1, and item numbers used in the table appear in Figure 2.

In [REDACTED] the Zaporozhye Aircraft Engine Plant No 478 contained approximately 1,287,575 square feet of floorspace. A comparison of that photography with KEYHOLE photography of [REDACTED] indicated that 465,725 square feet of floorspace had been added to the plant. By [REDACTED] the total floorspace in the plant was approximately 1,753,300 square

feet. Since [REDACTED] 6 buildings have been added to the plant, and 2 existing structures have been expanded. Buildings erected since that time include 2 workshops, an engineering/administration building, a probable assembly building and 6 through engine test cells, an administration building, and 1 storage building. A total of 30,400 square feet of floorspace has been added to an existing workshop.

In [REDACTED] the subassembly building (item 21), the probable assembly building and 6 through engine test cells (each 130 by 40 feet) (item 22), and the administration building (item 23) were under construction; work on the expansion of an existing workshop (item 20) in the northern part of the plant was observed for the first time. By [REDACTED] the subassembly

25X1D

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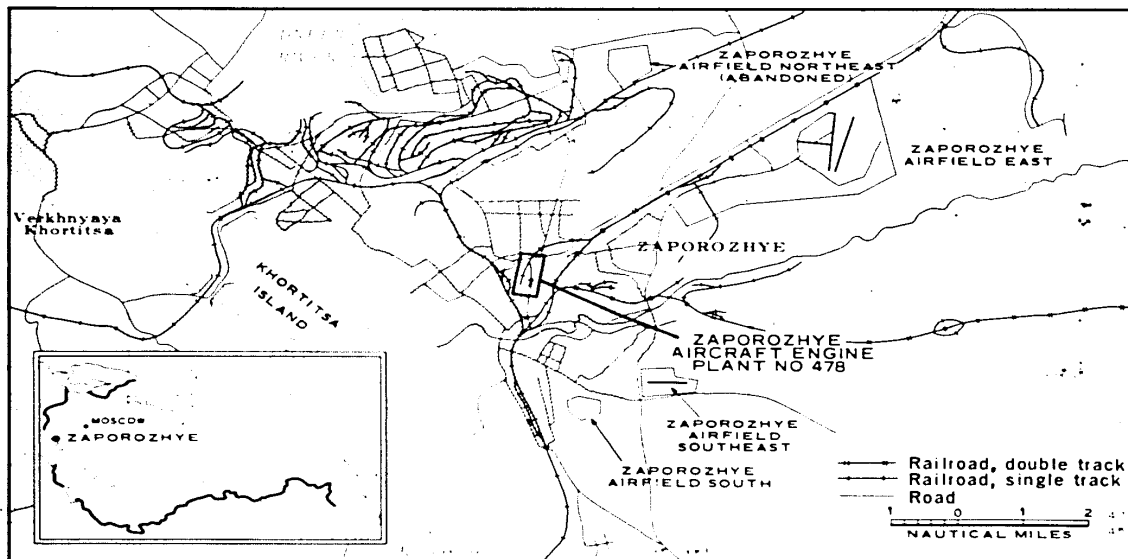


FIGURE 1. LOCATION MAP.

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25X1D

building and the expansion of the workshop had been completed, and 2 workshops (items 1 and 9), an engineering/administration building (item 19), and a storage building (item 24) were

under construction. By [REDACTED] all buildings in the plant had been completed, and test cells were probably being removed from an old assembly building (item 16).

Table 1. Components of the Zaporozh'ye Aircraft Engine Plant No 478 (Item numbers appear in Figure 2)

Item No	Description	Dimensions* (ft)	Floorspace (sq ft)
1	Workshop	650 x 240	156,000
2	Administration bldg, 3-story	225 x 50	33,750
3	Administration bldg, 3-story	Irregular	58,950
4	Steamplant	80 x 35	2,800
5	Storage bldg	190 x 50	9,500
6	Administration bldg, 4-story	175 x 45	31,500
7	Workshop machine shop	Irregular	88,200
8	Storage bldg	115 x 75	8,625
9	Workshop	165 x 75	12,375
10	Assembly & machine shop	1,310 x 320	419,200
11	Workshop	105 x 45	4,725
12	Assembly bldg & 7 engine test cells	695 x 250	173,750
13	Machine shop	320 x 155	49,600
14	Forge foundry	Irregular	49,575
15	Foundry	500 x 110	55,000
16	Old assembly bldg & engine test cells	Irregular	65,000
17	Forge	Irregular	39,450
18	Machine shop	340 x 270	91,800
19	Engineering administration bldg	200 x 65	13,000
20	Workshop	420 x 190	79,800
21	Subassembly bldg	550 x 340	187,000
22	Probable assembly bldg & 6 through engine test cells	310 x 130	40,300
23	Administration bldg, L-shaped		47,800
	leg	380 x 110	
	leg	100 x 60	
24	Storage bldg	130 x 80	10,400
25	Control bldg	200 x 75	15,000
Total floorspace of numbered bldgs			1,743,100
Total floorspace of other bldgs			10,200
Total floorspace of plant			1,753,300

\*All dimensions are approximate and were calculated by photogrammetrists in NPIC TID.

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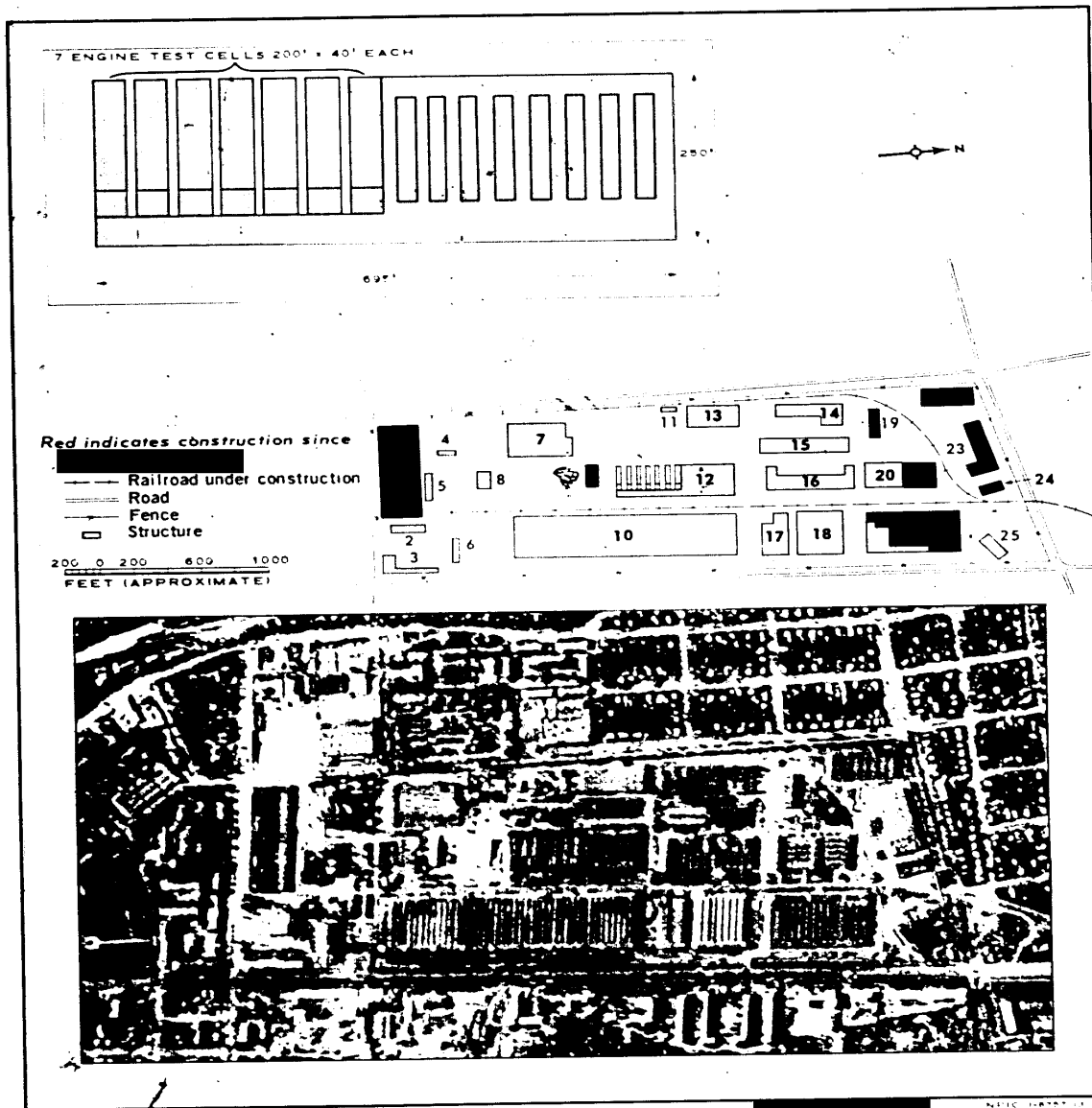


FIGURE 2. ZAPOROZHYE AIRCRAFT ENGINE PLANT NO 476

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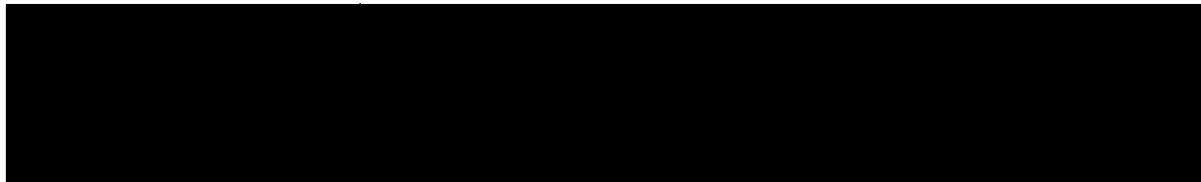
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## REFERENCES

### PHOTOGRAPHY

25X1D



### MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0249-1HL, 4th ed, Dec 63, scale 1:200,000 (SECRET)

### REQUIREMENT

CIA. C-RR4-51,345

### PROJECT

C-1445 64

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